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Pearl Cohen Zedek Latzer, LLP			TOWA, RENE T	
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Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary	Application No. 10/529,735	Applicant(s) IDDAN ET AL.	
	Examiner RENE TOWA	Art Unit 3736	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 20 August 2010.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-12, 14, 15, 18, 24-29, 32, 33, 36, 38-40, 43 and 45-48 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-12, 14-15, 18, 24-29, 32-33, 36, 38-40, 43 and 45-48 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

1. This Office action is responsive to an amendment filed August 20, 2010. Claims 1-12, 14-15, 18, 24-29, 32-33, 36, 38-40, 43 and 45-48 are pending. Claims 1, 32 & 43 have been amended. Claims 13, 16-17, 19-23, 30-31, 34-35, 37, 41-42, 44 and 49-50 have been cancelled.

Claim Objections

2. Claims 1-12, 14-15, 18, 24-29, are objected to because of the following informalities:

In regards to claim 1, at lines 5, 7 & 10, the limitations "said imaging device" should apparently read --said at least one imaging device-- as per line 3 of the claim.

In regards to claim 11, at lines 1-2, the limitations "the imaging device" should apparently read --the at least one imaging device-- as per line 3 of the claim 1 from which the claim depends.

In regards to claim 26, at lines 1-2, the limitations "the imaging device" should apparently read --the at least one imaging device-- as per line 3 of the claim 1 from which the claim ultimately depends.

Appropriate correction is required.

Claim Rejections - 35 USC § 103

3. The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.

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4. **Claims 1, 3-4, 7, 10-12, 14, 24-29, 32, 36, 40, 43, 45 & 47-48** are rejected under 35 U.S.C. 103(a) as being unpatentable over Meron et al. (US 2002/0109774) in view of Dunne et al. (US 6,626,834) and further in view of Canton (US 6,145,393).

Meron et al. disclose an in-vivo sensing system (10, 50, 70) comprising a capsule-shaped transparent housing (see figs. 1B, 5 & 7); wherein the housing includes at least one imaging device (14, 54, 74) (see par 0039-0040, 0053-0055 & 0057-0058) configured to image any direction with respect to said housing (see figs. 5 & 7); wherein the system includes at least one transmitter 16 (see par 0035); Meron et al. also disclose a method for imaging an in vivo site comprising the steps of:

inserting an in-vivo imaging device (54, 74) (see par 0016);

capturing images from any orientations with respect said housing (see par 0017);

wherein the method further comprises the step of transmitting data from the in-vivo imaging device (see par 0017); and,

wherein the method further includes reviewing the transmitted data (see par 0009 & 0017).

Meron et al. disclose a system and method, as described above, that fails to explicitly teach an in vivo sensing system as described in the claims; wherein the at least one imaging device is freely movable within the housing in any rotational direction without being mounted to the housing; wherein the imaging device has a weight that is evenly distributed along a horizontal and a vertical axis of the imaging device; wherein the system includes at least one ballast weight; wherein the imaging device has a

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specific gravity that does not substantially exceed the specific gravity of the liquid; wherein the liquid has a diffraction coefficient substantially similar to that a diffraction coefficient of the housing.

However, in regards to **claim 1, Dunne et al.** disclose an in vivo sensing system comprising:

- (a) a housing (12, 52) (see figs. 1-12) comprising:
 - (i) at least one imaging device 24 (see col. 12, lines 37-47);
 - (ii) at least one directional activator 26 within said imaging device 24 (see col. 9, lines 50-52; col. 10, lines 3-6);
 - (iii) at least one friction reducing (i.e. lubricant) mechanism 20 disposed between said housing (12, 52) said imaging device 24 to permit movement of said imaging device within said housing (12, 52) by virtue of being a lubricant (see col. 9, lines 41-49); and,
- (b) at least one directional actuator (120, 146) external to said housing (12, 52) to control said at least one directional activator 26 so as to change the orientation of said imaging device 24 with respect to said housing (12, 52) (see fig. 14; col. 12, lines 10-20; col. 15, lines 60-67; col. 16, lines 1-7).

In regards to **claim 3**, Dunne et al. disclose a system wherein the housing (12, 52) has a capsule shape (see figs. 1, 3 & 5; col. 13, lines 19-22).

In regards to **claim 4**, Dunne et al. disclose a system wherein the housing (12, 52) is collapsible (see fig. 7; col. 13, lines 60-65; col. 14, lines 6-11).

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In regards to **claim 7**, Dunne et al. disclose a system wherein the housing (12, 52) is at least partially transparent (i.e. via acoustic window 14) (see figs. 1-4; col. 12, lines 58-63).

In regards to **claim 10**, Dunne et al. disclose a system wherein the imaging device 24 has a capsule shape (see fig. 1; col. 10, lines 3-6).

In regards to **claim 14**, Dunne et al. disclose a system wherein the directional activator 26 comprises at least one magnet (see fig. 1; col. 9, lines 50-52; col. 10, lines 3-6), and wherein the directional actuator (120, 146) comprises a magnetic field generator (i.e. current waveform generator 144, DC electricity) (see col. 12, lines 10-24; col. 15, lines 60-67; col. 16, lines 1-7).

In regards to **claim 24**, Dunne et al. disclose a system wherein the friction-reducing mechanism includes a liquid (i.e. oil) (see col. 9, lines 45-48).

In regards to **claim 25**, Dunne et al. disclose a system wherein the liquid is oil (i.e. Dow Corning Corp. number 704 diffusion pump oil) (see col. 9, lines 45-48).

In regards to **claim 27**, Dunne et al. disclose a system wherein the liquid is capable of being introduced into the housing (12, 52) in vivo (see col. 13, lines 6-10).

In regards to **claim 29**, Dunne et al. disclose a system wherein the liquid is at least partially transparent (see col. 15, lines 6-17).

In regards to **claim 32**, Dunne et al. disclose in vivo imaging system comprising:

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(a) an outer covering (12, 52), said outer covering (12, 52) (see figs. 1-12) comprising:

(i) an image sensor 24 (see col. 12, lines 37-47), said image sensor 24 comprising at least one directional activator 26 (see col. 9, lines 50-52; col. 10, lines 3-6); and

(ii) a liquid 20 disposed between the outer covering (12, 52) and the sensor 24 (see col. 9, lines 41-49); and

(b) at least one directional actuator (120, 146) external to said outer covering (12, 52) configured to control said at least one directional activator 26 from outside said outer covering (12, 52) so as to change orientation of said image sensor 24 with respect to said outer covering (12, 52) (see fig. 14; col. 12, lines 10-20; col. 15, lines 60-67; col. 16, lines 1-7).

In regards to **claim 36**, Dunne et al. disclose a system wherein the at least one directional activator 26 comprises a magnet (see fig. 1; col. 9, lines 50-52; col. 10, lines 3-6), and wherein the at least one directional actuator (120, 146) comprises a magnetic field generator (i.e. current waveform generator 144, DC electricity) (see col. 12, lines 10-24; col. 15, lines 60-67; col. 16, lines 1-7).

In regards to **claim 43**, Dunne et al. disclose a method for imaging an in vivo site comprising the steps of:

providing an in-vivo imaging device 24 comprising a magnet 26, being disposed within a housing (12, 52) (see col. 9, lines 50-52; col. 10, lines 3-6) and being surrounded by a friction reducing material 20 within said housing (12, 52) (see col. 9, lines 41-49);

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changing orientation of said in vivo imaging device 24 to a multitude of orientations with respect to said housing (12, 52) in a friction-reduced manner by application of an external force to said in-vivo imaging device 24 (see col. 10, lines 54-65); and,

capturing images from any of said multitude of orientations (see col. 11, lines 46-52).

In regards to **claim 45**, Dunne et al. disclose a method wherein the external force is electromagnetic force torque generating fields or magnetic torque generating fields (see col. 10, lines 54-65).

Moreover, **Canton** discloses a sensing device comprising an optical platform including:

- (a) a housing 16 (see fig. 10) comprising:
- (b) at least one friction reducing mechanism 18 disposed between the housing 16 and a sensing device 17 (see fig. 10);
 - wherein the friction-reducing mechanism 18 includes a liquid;
 - wherein the liquid 18 has a diffraction coefficient substantially similar to a diffraction coefficient of the housing 16;
 - wherein the liquid 18 is at least partially transparent;
 - wherein the liquid is oil (see; at least one friction reducing mechanism 18);
 - wherein the friction-reducing mechanism 18 includes a liquid;

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wherein the liquid 18 has a diffraction coefficient substantially similar to a diffraction coefficient of the housing 16;

(c) a sensing device 17 (see fig. 10);

wherein the sensing device 17 has a weight that is evenly distributed along a horizontal and a vertical axis of the sensing device 17 (see col. 4, lines 16-20);

wherein the sensing device 17 has a specific gravity that does not substantially exceed the specific gravity of the liquid 18 (see col. 4, lines 6-8);

wherein the imaging device 20 includes a ballast weight (see col. 4, lines 20-31);

wherein the at least one imaging device 20 is movable without being mounted to the housing 16 (see figs. 5 & 10).

In regards to **claims 1, 3-4, 7, 10, 14, 24-25, 27, 29, 32, 36, 40, 45 & 47**, Meron et al. teach a system for wide angle imaging of body lumens by combining a plurality of images from an array of transducers so as to most effectively view and image said body lumens (see abstract & par 0003); since Dunne et al. teach that it is known to volumetrically scan a target, which is located within a swept conical volume (see col. 11, lines 46-52) in order to reduce the cost and complexity of the electronics process involved in processing the signals from the individual transducers of the transducer array which would be formidable (see col. 3, lines 6-15), it would have been obvious to one of ordinary skill in the art at the time Applicant's invention was made to provide the system and method of Meron et al. with a housing having at least one imaging device, at least one directional activator within said imaging device, at least one friction

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reducing mechanism between said housing and said imaging device, and at least one directional actuator as taught by Dunne et al. in order to achieve wide angle imaging of body lumens by combining a plurality of images so as to most effectively view and image said body lumens via volumetric scanning thereby reducing the cost and complexity of the electronics process involved in processing the signals from the individual transducers of the transducer array which would otherwise be formidable.

Similarly, since Meron et al. teach a system that may stumble in a rotating motion through the GI tract of a patient during the imaging process (see par 0051) while Canton teaches the importance of having a system having a stabilized platform, which houses an imaging device 20 (see col. 8, lines 14-15) such that the attitude of the imaging device 20 is maintained at a user-established level despite the rolling and pitching of the platform housing 16 due to the environment the platform is in (see figs. 5 & 10; see col. 1, lines 8-34), it would have been obvious to one of ordinary skill in the art at the time Applicant's invention was made to provide the system of Meron et al. as modified by Dunne et al. with at least one imaging device that is movable within the housing without being mounted to the housing as taught by Canton in order to achieve an in-vivo system that acts as a stabilized platform housing an imaging device such that the attitude of the imaging device is maintained at a user-established level despite the rolling and pitching of the platform housing due to the environment the platform is in such as the GI tract.

Likewise, since Meron et al. teach it is advantageous to provide a system that is not always oriented head first inside the GI tract, with one end leading and the other end following, with a plurality of imaging devices such that the same site is viewed from

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different angles as imaged by the plurality of imaging devices (see par 0051), it would have been obvious to one of ordinary skill in the art at the time Applicant's invention was made to provide the system of Meron et al. as modified by Dunne et al. and Canton above with at least one imaging device that is freely movable within the housing in any direction as claimed without being mounted to the housing as taught by Canton above in order to be able to achieve wide angle imaging of the body lumen in any direction so as to view the same site from different angles as imaged by volumetric scanning, thereby reducing the cost and complexity of the electronics process involved in processing the signals from a plurality of individual transducers or imaging devices of a transducer array which would otherwise be formidable.

In regards to **claims 11-12 & 26**, Since Canton teaches a sensing device having a weight that is evenly distributed along a horizontal and vertical axis of the sensing device (see col. 4, lines 16-20 & 29-32), it would have been obvious to one of ordinary skill in the art at the time Applicant's invention was made to provide the system of Meron et al. as modified by Dunne et al. and Canton with a weight that is evenly distributed along a horizontal and vertical axis as taught by Canton in order to position the imaging device at the physical center of the system so as to achieve an imaging device that will not occur if acceleration forces are applied to the system.

In regards to **claim 28**, since Canton teaches a sensing device wherein the liquid has similar optical properties as the viewing port 19 of the housing 16 so that the liquid must also be transparent (i.e. similar diffraction coefficient of the housing) to the wavelengths of light required by the imaging system (see col. 4, lines 56-65), it would

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have been obvious to one of ordinary skill in the art at the time Applicant's invention was made to provide the system of Meron et al. as modified by Dunne et al. and Canton with a liquid having a diffraction coefficient that is substantially to a diffraction coefficient of the housing as taught by Canton in order to allow the liquid and the housing to be transparent to the wavelengths of light required by the imaging system.

In regards to **claim 48**, similarly since Meron et al. teach a system for wide angle imaging of body lumens so as to most effectively view and image said body lumens (see abstract & par 0003); wherein the transmitted image is analyzed (reviewed) in real time (see par 0009); and Dunne et al. teach a method step of applying an external force to change the direction of the imaging device (see col. 10, lines 54-65), it would have been obvious to one of ordinary skill in the art at the time Applicant's invention was made to provide the system and method of Meron et al. as modified by Dunne et al. and Canton with a step of applying an external force to change the direction of the imaging device as taught by Dunne et al. based on the reviewed transmitted data as taught by Meron et al. in order to serially analyze the captured images.

5. **Claims 2, 6, 8-9, 18, 33 & 38-39** are rejected under 35 U.S.C. 103(a) as being unpatentable over Meron et al. ('774) in view of Dunne et al. (US 6,626,834), Canton ('393) and further in view of Kilcoyne et al. (US 6,285,897).

Meron et al. as modified by Dunne et al. and Canton disclose an in-vivo system, as described above, that fails to explicitly teach an attachment mechanism or a pH sensor.

However, **Kilcoyne et al.** disclose an in-vivo system (see col. 3, lines 6-10) comprising:

(a) a housing 120:

wherein the housing 120 is an inert hydrocarbon (i.e. polyethylene) (see col. 6, lines 55-62);

(b) an attachment mechanism (see fig. 6) comprising anchors or fasteners such as tacks, pins, hooks, barbs, sutures, clips, staples (see col. 9, lines 5-51) or glue such as an adhesive (see col. 8, lines 48-60); and,

(c) at least one sensor (i.e. pH, temperature or pressure sensor) (see col. 5, lines 15-46).

In regards to **claims 2 & 6**, it would have been obvious to one of ordinary skill in the art at the time Applicant's invention was made to provide the system of Meron et al. as modified by Dunne et al. and Canton with a housing that includes a hydrocarbon as taught by Kilcoyne et al. in order to achieve a housing that is inert or biocompatible in the human body.

In regards to **claims 8-9 & 33**, Since Kilcoyne et al. teach other means for effectively anchoring an in-vivo system in the gastrointestinal track of a patient (see fig. 6), it would have been obvious to one of ordinary skill in the art at the time Applicant's invention was made to provide the system of Meron et al. as modified by Dunne et al. and Canton with an attachment mechanism as taught by Kilcoyne et al. in order to temporarily attach, anchor or stabilize the in-vivo device to the body lumen so as to collect physiological data therefrom.

In regards to **claims 18 & 38-39**, similarly, it would have been obvious to one of ordinary skill in the art at the time Applicant's invention was made to provide the system of Meron et al. as modified by Dunne et al. and Canton with a pH sensor as taught by Kilcoyne et al. in order to achieve long-term monitoring of gastroesophageal reflux (GERD).

6. **Claims 5, 18 & 38-39** are rejected under 35 U.S.C. 103(a) as being unpatentable over Meron et al. ('774) in view of Dunne et al. (US 6,626,834), Canton ('393) and further in view of Kovacs et al. (US 5,833,603).

Meron et al. as modified by Dunne et al. and Canton disclose a system, as described above, that fails to explicitly teach a housing that includes a semi-permeable membrane, at least one additional sensor selected from a temperature sensor and a pressure sensor.

However, **Kovacs et al.** teach that it is known to provide an in-vivo sensing system 44 with a semi-permeable membrane 126 (see figs. 10-11; col. 15, lines 25-49); wherein the sensor includes at least one additional sensor (see col. 8, lines 47-65). selected from an image sensor 98 (see col. 13, lines 5-12), a temperature sensor (see col. 10, lines 3-17) and a pressure sensor 108 (see col. 14, lines 59-62).

In regards to **claim 5**, it would have been obvious to one of ordinary skill in the art at the time Applicant's invention was made to provide the system of Meron et al. as modified by Dunne et al. and Canton with a semi-permeable membrane as taught by Kovacs et al. in order to detect the presence or absence of dissolved or free gases or ions.

In regards to **claims 18 & 38-39**, it would have been obvious to one of ordinary skill in the art at the time Applicant's invention was made to provide the system of Meron et al. as modified by Dunne et al. and Canton with a temperature sensor, a pressure or a pH sensor as taught by Kovacs et al. in order to measure the temperature, pressure or pH within the body lumen.

7. **Claim 46** is rejected under 35 U.S.C. 103(a) as being unpatentable over Meron et al. ('774) in view of Dunne et al. (US 6,626,834), Canton ('393) and further in view of Mullick et al. (US 2003/0167000).

Meron et al. as modified by Dunne et al. and Canton disclose a method, as described above, that fails to explicitly teach a step of repositioning a patient.

However, **Mullick et al.** teach a method for sensing an in-vivo site (see par 0018) comprising the steps of:

- (a) providing an in-vivo sensing system comprising:
 - (i) a housing 42 (see figs. 2 & 3A-B; par 0055-0056);
wherein the housing 42 has a capsule shape (see figs. 2 & 3A-B);
wherein the housing is at least partially transparent (i.e. "transparent window 62") (see fig. 2);
 - (ii) a sensing device 48 (see par 0059);
wherein the sensing device includes an imaging device (see par 0059);
 - (iii) a transmitter 50 (see par 0062);

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b) enabling an in-vivo sensing system 40 disposed within a housing 42 to be moved within the anatomy of a patient (see par 0055); wherein the in-vivo sensing system 40 includes an imaging device 48 (see par 0059);

(c) applying an external force (i.e. “gravitational force”) to the in-vivo sensing system 40; wherein applying an external force includes repositioning the patient;

The Examiner notes that Mullick et al. teach an in-vivo system that performs diagnostic operations within the stomach of a patient while the patient performs activities of daily living (see par 0015) for a maximum of 72 hours (see par 0020); as such, both the patient and the in-vivo system are inherently subject to the gravitational force while the patient repositions while conducting the activities of daily living.

Both Meron et al. and Mullick et al. teach imaging devices that are swallowable (see respective abstracts); since Mullick et al. teach that an imaging device that allows a patient to use the device while still performing activities of daily living (see par 0015), it would have been obvious to one of ordinary skill in the art at the time Applicant's invention was made to provide the system of Meron et al. as modified by Dunne et al. and Canton with a step of repositioning the patient as taught by Mullick et al. in order to allow the patient to use the device while still performing activities of daily living.

8. **Claim 15** is rejected under 35 U.S.C. 103(a) as being unpatentable over Meron et al. ('774) in view of Dunne et al. (US 6,626,834), Canton ('393) and further in view of Gross (US 5,318,557).

Meron et al. as modified by Dunne et al. and Canton disclose an in-vivo system, as described above, that fails to explicitly teach a magnetic switch.

However, **Gross** discloses an in-vivo sensing system (see fig. 4) with a magnetic switch (i.e. reed switch) configured for controlling at least one electrical component of the sensing device (see col. 4, lines 54-58).

Dunne et al. teach a system for applying an external magnetic force (i.e. torque) to change the direction of an imaging device 24 (see fig. 12; col. 10, lines 54-65); since Gross teaches that it is known to provide an in-vivo sensing system with an electrical switch, which can be magnetically actuated by a magnetic field externally of the subject (see col. 4, lines 54-58), it would have been obvious to one of ordinary skill in the art at the time Applicant's invention was made to provide the system of Meron et al. as modified by Dunne et al. and Canton with a magnetic switch as taught by Gross in order to selectively apply an external magnetic force to the change the direction of the imaging device by magnetically actuating the magnetic switch by a magnetic field external of the subject.

Response to Arguments

9. Applicant's arguments filed August 20, 2010 have been fully considered but they are not persuasive. Applicant contends that Meron et al., Dunne et al. and Canton, alone or in combination fail to teach or suggest a system having at least one imaging device that is freely movable within the housing in any rotational direction without being mounted to the housing. This argument has been considered but has not been deemed persuasive.

In response to the Applicant's argument, the Examiner respectfully traverses. For example, since Meron et al. teach a system that may stumble in a rotating motion

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through the GI tract of a patient during the imaging process (see par 0051) while Canton teaches the importance of having a system having a stabilized platform, which houses an imaging device 20 (see col. 8, lines 14-15) such that the attitude of the imaging device 20 is maintained at a user-established level despite the rolling and pitching of the platform housing 16 due to the environment the platform is in (see figs. 5 & 10; see col. 1, lines 8-34), the Examiner submits that it would have been obvious to one of ordinary skill in the art at the time Applicant's invention was made to provide the system of Meron et al. as modified by Dunne et al. with at least one imaging device that is movable within the housing without being mounted to the housing as taught by Canton in order to achieve an in-vivo system that acts as a stabilized platform housing an imaging device such that the attitude of the imaging device is maintained at a user-established level despite the rolling and pitching of the platform housing due to the environment the platform is in such as the GI tract. Likewise, since Meron et al. teach it is advantageous to provide a system that is not always oriented head first inside the GI tract, with one end leading and the other end following, with a plurality of imaging devices such that the same site is viewed from different angles as imaged by the plurality of imaging devices (see par 0051), the Examiner submits that it would have been obvious to one of ordinary skill in the art at the time Applicant's invention was made to provide the system of Meron et al. as modified by Dunne et al. and Canton above with at least one imaging device that is freely movable within the housing in any direction as claimed without being mounted to the housing as taught by Canton above in order to be able to achieve wide angle imaging of the body lumen in any direction so

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as to view the same site from different angles as imaged by volumetric scanning, thereby reducing the cost and complexity of the electronics process involved in processing the signals from a plurality of individual transducers or imaging devices of a transducer array which would otherwise be formidable.

As such, the Examiner submits that the combination of Meron et al., Dunne et al. and Canton does suggest a system having at least one imaging device that is freely movable within the housing in any rotational direction without being mounted to the housing.

In view of the foregoing, the rejections over at least one of Meron et al., Dunne et al. and Canton are maintained.

Conclusion

10. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of

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the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

11. Any inquiry concerning this communication or earlier communications from the examiner should be directed to RENE TOWA whose telephone number is (571)272-8758. The examiner can normally be reached on Mon-Thurs, 8:00AM-6:00PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Max Hindenburg can be reached on (571) 272-4726. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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